



**LISTING OF CLAIMS:**

Please amend claims 1 and 15, as shown below.

This listing of claims will replace all prior versions and listings of claims in the  
Application:

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**Claim 1 (currently amended):** An active-matrix liquid crystal display comprising:

- a first substrate including a pixel electrode provided for each pixel, and a driving element provided for each of said pixel electrodes;
- a second substrate disposed opposite to said first substrate and including an opposite electrode; and
- a liquid crystal layer sandwiched between said first substrate and said second substrate, wherein said pixel electrode has two recesses formed therein, a first recess in groove shape such that said first recess fixes a boundary between two areas of said pixels pixel electrode when a voltage is applied between said pixel electrode and said opposite electrode, and a second recess for connecting said pixel electrode to a source electrode of an associated TFT,

wherein said first recess has a bottom portion in which said pixel electrode contacts a passivation layer.

**Claim 2 (original):** An active-matrix liquid crystal display according to claim 1, wherein said pixel electrode has a generally rectangular shape, and said recess is provided such that it extends from one of a pair of opposite sides of said pixel electrode to the other to divide said pixel electrode into two parts.

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**Claim 3 (original):** An active-matrix liquid crystal display according to claim 1, wherein, when a voltage is applied between said pixel electrode and said opposite electrode, liquid crystal molecules in said liquid crystal layer are laid toward a longitudinal direction of said recess in accordance with the magnitude of said voltage.

**Claim 4 (original):** An active-matrix liquid crystal display according to claim 2, wherein, when a voltage is applied between said pixel electrode and said opposite electrode, liquid crystal molecules in said liquid crystal layer are laid toward a longitudinal direction of said recess in accordance with magnitude of said voltage.

**Claim 5 (original):** An active-matrix liquid crystal display according to claim 1, wherein said pixel electrode is continuously formed across said recess.

**Claim 6 (original):** An active-matrix liquid crystal display according to claim 2, wherein said pixel electrode is continuously formed across said recess.

**Claim 7 (original):** An active matrix liquid crystal display according to claim 1, wherein a conductive layer of said pixel electrode is removed in said recess.

**Claim 8 (original):** An active-matrix liquid crystal display according to claim 2, wherein a conductive layer of said pixel electrode is removed in said recess.

**Claim 9 (original):** An active-matrix liquid crystal display according to claim 2, wherein said recess is formed linearly with a constant width.

**Claim 10 (original):** An active-matrix liquid crystal display according to claim 2, wherein said recess is formed in said pixel electrode in tapered shape such that it has a smaller width at one of a pair of opposite sides of said pixel electrode and has a larger width at the other.

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**Claim 11 (previously canceled)**

**Claim 12 (previously canceled)**

**Claim 13 (original):** An active-matrix liquid crystal display according to claim 2, further comprising a guide in bank shape formed on said first substrate along a side of said pixel electrode in parallel with a longitudinal direction of said recess.

**Claim 14 (original):** An active-matrix liquid crystal display according to claim 2, wherein said recess has a generally rectangular cross section.

**Claim 15 (currently amended):** An active-matrix liquid crystal display according to claim 2, comprising:

a first substrate including a pixel electrode provided for each pixel, and a driving element provided for each of said pixel electrodes;

a second substrate disposed opposite to said first substrate and including an opposite electrode; and

a liquid crystal layer sandwiched between said first substrate and said second substrate, wherein said pixel electrode has two recesses formed therein, a first recess in groove shape such that said first recess fixes a boundary between two areas of said pixel electrode when a voltage is applied between said pixel electrode and said opposite electrode, and a second recess for connecting said pixel electrode to a source electrode of an associated TFT,

wherein said first recess has a bottom portion in which said pixel electrode contacts a passivation layer,

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wherein said pixel electrode has a generally rectangular shape, and said recess is provided such that it extends from one of a pair of opposite sides of said pixel electrode to the other to divide said pixel electrode into two parts, and

wherein said recess has a generally reversed trapezoidal cross section, and an angle formed between a surface of said pixel electrode other than its portion corresponding to said recess and a side surface of said recess is equal to or larger than 60 degrees and less than 90 degrees.

**Claim 16 (original):** An active-matrix liquid crystal display according to claim 1, further comprising:

a polarizer; and

at least one of an optically negative compensating film and an optically positive compensating film provided between said first substrate or said second substrate and said polarizer, whereby refractive index anisotropy in a layer including said liquid crystal layer and said compensating film is made isotropic.

**Claim 17 (original):** An active-matrix liquid crystal display according to claim 2, further comprising:

a polarizer; and

at least one of an optically negative compensating film and an optically positive compensating film provided between said first substrate or said second substrate and said polarizer, whereby refractive index anisotropy in a layer including said liquid crystal layer and said compensating film is made isotropic.

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**Claim 18 (original):** An active-matrix liquid crystal display according to claim 1, wherein said liquid crystal layer comprises a liquid crystal material with negative dielectric constant anisotropy, and liquid crystal molecules in said liquid crystal layer are aligned perpendicularly to each of said substrates when no voltage is applied between said pixel electrode and said opposite electrode.

**Claim 19 (original):** An active-matrix liquid crystal display according to claim 2, wherein said liquid crystal layer comprises a liquid crystal material with negative dielectric constant anisotropy, and liquid crystal molecules in said liquid crystal layer are aligned perpendicularly to each of said substrates when no voltage is applied between said pixel electrode and said opposite electrode.

**Claim 20 (original):** An active-matrix liquid crystal display according to claim 18, further comprising quarter-wave plates provided on both sides of said liquid crystal layer, respectively, said quarter-wave plates having optical axis orthogonal to each other.

**Claim 21 (original):** An active-matrix liquid crystal display according to claim 19, further comprising quarter-wave plates provided on both sides of said liquid crystal layer, respectively, said quarter-wave plates having optical axis orthogonal to each other.

**Claim 22 (previously added):** An active-matrix liquid crystal display comprising:  
a first substrate including a pixel electrode provided for each pixel, and a driving element provided for each of said pixel electrodes;  
a second substrate disposed opposite to said first substrate and including an opposite electrode; and

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a liquid crystal layer sandwiched between said first substrate and said second substrate, wherein said pixel electrode has a generally rectangular shape, and a recess in groove shape is formed therein extending from one of a pair of opposite sides of said pixel electrode to the other to divide said pixel electrode into two parts, said recess being formed linearly with a constant width except that it has a smaller width in the central portion in a longitudinal direction.

**Claim 23 (previously added):** An active-matrix liquid crystal display according to claim 22, wherein, when a voltage is applied between said pixel electrode and said opposite electrode, liquid crystal molecules in said liquid crystal layer are laid toward a longitudinal direction of said recess in accordance with magnitude of said voltage.

**Claim 24 (previously added):** An active-matrix liquid crystal display according to claim 22, wherein said pixel electrode is continuously formed across said recess.

**Claim 25 (previously added):** An active-matrix liquid crystal display according to claim 22, wherein a conductive layer of said pixel electrode is removed in said recess.

**Claim 26 (previously added):** An active-matrix liquid crystal display according to claim 22, further comprising a guide in bank shape formed on said first substrate along a side of said pixel electrode in parallel with a longitudinal direction of said recess.

**Claim 27 (previously added):** An active-matrix liquid crystal display according to claim 22, further comprising:

a polarizer; and

at least one of an optically negative compensating film and an optically positive compensating film provided between said first substrate or said second substrate and said

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polarizer, whereby refractive index anisotropy in a layer including said liquid crystal layer and said compensating film is made isotropic.

**Claim 28 (previously added):** An active-matrix liquid crystal display according to claim 22, wherein said liquid crystal layer comprises a liquid crystal material with negative dielectric constant anisotropy, and liquid crystal molecules in said liquid crystal layer are aligned perpendicularly to each of said substrates when no voltage is applied between said pixel electrode and said opposite electrode.

**Claim 29 (previously added):** An active-matrix liquid crystal display according to claim 28, further comprising quarter-wave plates provided on both sides of said liquid crystal layer, respectively, said quarterwave plates having optical axis orthogonal to each other.

**Claim 30 (previously added):** An active-matrix liquid crystal display comprising:  
a first substrate including a pixel electrode provided for each pixel, and a driving element provided for each of said pixel electrodes;

a second substrate disposed opposite to said first substrate and including an opposite electrode; and

a liquid crystal layer sandwiched between said first substrate and said second substrate, wherein said pixel electrode has a generally rectangular shape, and a recess in groove shape is formed therein extending from one of a pair of opposite sides of said pixel electrode to the other to divide said pixel electrode into two parts, said recess being formed such that its width is smaller in its central portion in a longitudinal direction of said recess and becomes gradually larger toward each of a pair of opposite sides of said pixel electrode.

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**Claim 31 (previously added):** An active-matrix liquid crystal display according to claim 30, wherein, when a voltage is applied between said pixel electrode and said opposite electrode, liquid crystal molecules in said liquid crystal layer are laid toward a longitudinal direction of said recess in accordance with the magnitude of said voltage.

**Claim 32 (previously added):** An active-matrix liquid crystal display according to claim 30, wherein said pixel electrode is continuously formed across said recess.

**Claim 33 (previously added):** An active-matrix liquid crystal display according to claim 30, wherein a conductive layer of said pixel electrode is removed in said recess.

**Claim 34 (previously added):** An active-matrix liquid crystal display according to claim 30, further comprising a guide in bank shape formed on said first substrate along a side of said pixel electrode in parallel with a longitudinal direction of said recess.

**Claim 35 (previously added):** An active-matrix liquid crystal display according to claim 30, further comprising:

a polarizer; and

at least one of an optically negative compensating film and an optically positive compensating film provided between said first substrate or said second substrate and said polarizer, whereby refractive index anisotropy in a layer including said liquid crystal layer and said compensating film is made isotropic.

**Claim 36 (previously added):** An active-matrix liquid crystal display according to claim 30, wherein said liquid crystal layer comprises a liquid crystal material with negative dielectric constant anisotropy, and liquid crystal molecules in said liquid crystal layer are

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aligned perpendicularly to each of said substrates when no voltage is applied between said pixel electrode and said opposite electrode.

**Claim 37 (previously added):** An active-matrix liquid crystal display according to claim 36, further comprising quarter-wave plates provided on both sides of said liquid crystal layer, respectively, said quarter-wave plates having optical axis orthogonal to each other.

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